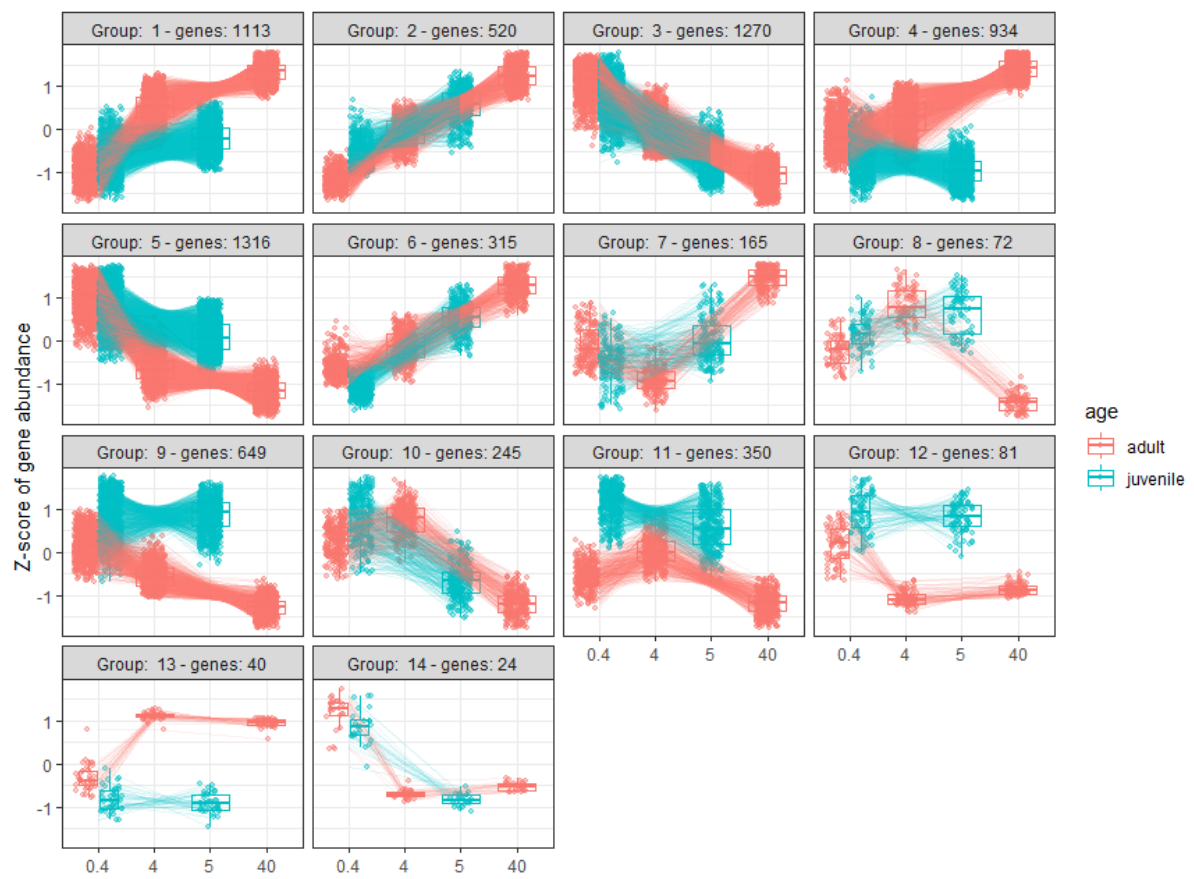
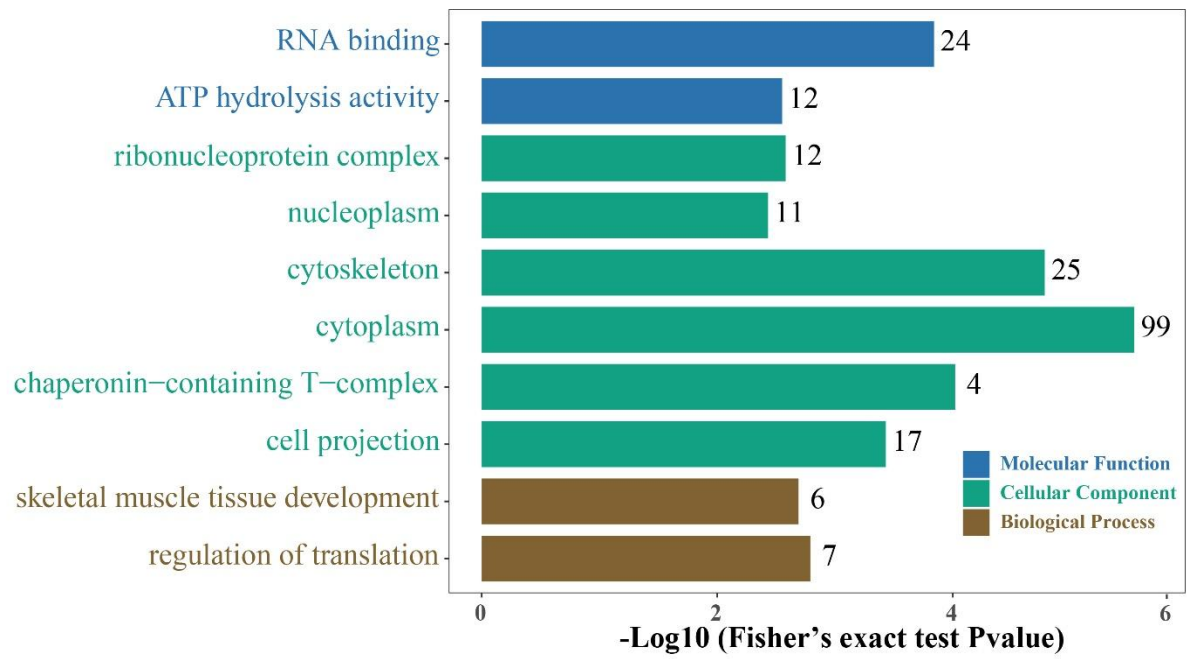




Supplementary Fig. 1. All gene expression patterns that generated by degPatterns.



Supplementary Fig. 2. Significantly enriched Gene Ontology terms with Fisher's exact test Pvalue < 0.001 in all genes with fixed bialleles in the hybrids.

Supplementary Table 1. Three significantly enriched Gene Ontology terms with Fisher's exact test Pvalue < 0.05 in group 2, 3, 6 as well as in set A and B.

Term	GO terms	Category	Count	%	Pvalue	Genes	List Total	Pop Hits	Pop Total	Fold Enrichment	Bonferroni	Benjamini	FDR
GO:0005198	structural molecule activity	Molecular Function	5	4.901961	0.001991	EPB41L3A, TUBB5, CLDN11A, CLDN1, MACF1A	89	122	20220	9.311107018	0.284483582	0.334417449	3.34E-01
GO:0003779	actin binding	Molecular Function	6	5.882353	0.020928	EPB41L3A, MICAL2B, MYO5C, SI:DKEY-40C11.2, GSNA, MACF1A	89	362	20220	3.765596871	0.971368636	1	1
GO:0005509	calcium ion binding	Molecular Function	8	7.843137	0.044952	DIPK1B, EGFLAM, PCDH11, MGP, DUOX, SVEP1, MACF1A, PLA2G4AB	89	750	20220	2.423370787	0.999559182	1	1

Supplementary Table 2. All candidate genes in Group 2, 3, 6 as well as in set A and B.

Group ID	Gene	Data sets				Blast
		Up regulated in adult EOs (from Cheng et al, 2024)	EOD duration candidates in adult EOs (from Cheng et al, 2024)	Set A	Set B	Set C
2	maker-ptg0002651-est_gff_est2genome-gene-6.33-mRNA-1	<i>KCNJ2</i>	✓	✓	✓	inward rectifier potassium channel 2
3	maker-ptg0009501-augustus-gene-2.9-mRNA-1	<i>CNPE7</i>	✓	✓	✓	copine-7
3	maker-ptg0001191-snap-gene-11.24-mRNA-1	<i>CADPSA</i>	✓	✓	✓	calcium-dependent secretion activator 1
2	maker-ptg0006101-snap-gene-7.3-mRNA-1	<i>SHC4</i>	✓	✓	✓	SHC adaptor protein 4
3	maker-ptg0009221-snap-gene-6.10-mRNA-1	<i>DACHD</i>	✓	✓	✓	dachshund homolog 1
2	snip_masked-ptg0000471-processed-gene-21.0-mRNA-1	<i>TYRP1</i>	✓	✓	✓	tyrosinase related protein 1
3	maker-ptg0007031-augustus-gene-32.44-mRNA-1	<i>PLAZG4AB</i>	✓	✓	✓	cytosolic phospholipase A2
3	maker-ptg0014111-snap-gene-9.49-mRNA-1	<i>GALNT7</i>	✓	✓	✓	polypeptide-N-acetylgalactosaminyltransferase 7
3	maker-ptg0019031-augustus-gene-3.70-mRNA-1	<i>FADS6</i>	✓	✓	✓	fatty acid desaturase 6
6	maker-ptg0003351-snap-gene-4.58-mRNA-1	<i>ELP3</i>	✓	✓	✓	elongator acetyltransferase complex subunit 3
6	maker-ptg0010031-snap-gene-1.56-mRNA-1	<i>DUOX1</i>	✓	✓	✓	NADPH thyroid oxidase 1
3	maker-ptg0002181-snap-gene-7.7-mRNA-1	<i>ADAMTS15</i>	✓	✓	✓	A disintegrin and metalloproteinase with thrombospondin motifs 15
3	maker-ptg0000281-snap-gene-81.10-mRNA-1	<i>KCNKA7A_1</i>	✓	✓	✓	potassium voltage-gated channel subfamily A member 7
3	maker-ptg0004421-snap-gene-12.8-mRNA-1	<i>GRIA3</i>	✓	✓	✓	glutamate receptor 3
3	snip_masked-ptg0003351-processed-gene-24.16-mRNA-1	<i>DLGAP2</i>	✓	✓	✓	disks large-associated protein 2
2	maker-ptg0003221-augustus-gene-12.39-mRNA-1	<i>RC5A</i>	✓	✓	✓	regulator of G-protein signalling 4
3	maker-ptg0001501-augustus-gene-9.7-mRNA-1	<i>PCDH11</i>	✓	✓	✓	protocadherin-11 X-linked
2	maker-ptg0008081-snap-gene-2.21-mRNA-1	<i>PABPC4</i>	✓	✓	✓	poly
2	maker-ptg0007341-augustus-gene-4.95-mRNA-1	<i>MYO5C</i>	✓	✓	✓	myosin VC
2	maker-ptg0001351-augustus-gene-44.3-mRNA-1	<i>MST1R</i>	✓	✓	✓	macrophage stimulating 1 receptor
3	snip_masked-ptg0002531-processed-gene-17.8-mRNA-1	<i>LSR</i>	✓	✓	✓	lipolysis-stimulated lipoprotein receptor
6	maker-ptg0015361-augustus-gene-14.44-mRNA-1	<i>GPR39</i>	✓	✓	✓	G protein-coupled receptor 39
3	maker-ptg0008171-augustus-gene-4.158-mRNA-1	<i>EGFLAM</i>	✓	✓	✓	pikachurin
3	maker-ptg0009221-augustus-gene-6.4-mRNA-1	<i>DACHD</i>	✓	✓	✓	dachshund homolog 1
6	maker-ptg0007741-snap-gene-4.87-mRNA-1	<i>CUNH1BORF21</i>	✓	✓	✓	chromosome unknown C1orf21 homolog
3	maker-ptg0021311-augustus-gene-1.56-mRNA-1	<i>CLDN7</i>	✓	✓	✓	claudin-7
3	maker-ptg0004571-snap-gene-3.42-mRNA-1	<i>ADGRA1</i>	✓	✓	✓	adhesion G protein-coupled receptor A1
3	maker-ptg0005851-augustus-gene-3.81-mRNA-1	<i>ADGRA1</i>	✓	✓	✓	adhesion G protein-coupled receptor A1
2	snip_masked-ptg0014271-processed-gene-12.9-mRNA-1	<i>ADRA2B</i>	✓	✓	✓	alpha-2B adrenergic receptor
3	maker-ptg0018801-snap-gene-1.121-mRNA-1	<i>CYR61</i>	✓	✓	✓	protein CYR61
3	maker-ptg0010581-augustus-gene-1.50-mRNA-1	<i>RYBP</i>	✓	✓	✓	RING1 and YY1-binding protein B
3	maker-ptg0005111-snap-gene-29.0-mRNA-1	<i>MIPOL1</i>	✓	✓	✓	mirror-image polydactyl 1
3	maker-ptg0007441-snap-gene-3.34-mRNA-1	<i>CPT2</i>	✓	✓	✓	carbamate O-palmitoyltransferase 2, mitochondrial
2	maker-ptg0017371-snap-gene-0.24-mRNA-1	<i>CLDN11</i>	✓	✓	✓	claudin-11
3	snip_masked-ptg0000091-processed-gene-3.14-mRNA-1	<i>PCDH15</i>	✓	✓	✓	protocadherin related 15
3	maker-ptg0006971-snap-gene-6.107-mRNA-1	<i>KCNQ5A</i>	✓	✓	✓	potassium voltage-gated channel subfamily Q member 5
3	maker-ptg0010631-augustus-gene-1.73-mRNA-1	<i>DNALI1</i>	✓	✓	✓	dynein axonemal light intermediate chain 1
3	maker-ptg0003461-augustus-gene-0.0-mRNA-1	<i>DIPK1B</i>	✓	✓	✓	protein FAM69B
3	maker-ptg0000281-snap-gene-75.37-mRNA-1	<i>BRSK2</i>	✓	✓	✓	serine/threonine-protein kinase BRSK2
3	snip_masked-ptg0003351-processed-gene-29.9-mRNA-1	<i>SOX11</i>	✓	✓	✓	transcription factor Sox-11
6	snip_masked-ptg0001481-processed-gene-9.21-mRNA-1	<i>SLC24A2</i>	✓	✓	✓	solute carrier family 24 member 2
2	maker-ptg0013111-augustus-gene-8.37-mRNA-1	<i>HMGCR3A</i>	✓	✓	✓	high mobility group protein B3
3	maker-ptg0008711-augustus-gene-4.6-mRNA-1	<i>CSMD3</i>	✓	✓	✓	CUB and Sushi multiple domains 3
3	maker-ptg0006321-snap-gene-6.93-mRNA-1	<i>B3GLCT</i>	✓	✓	✓	beta-1,3-glucosyltransferase
3	maker-ptg0011571-snap-gene-8.38-mRNA-1	<i>MYO5B</i>	✓	✓	✓	unconventional myosin-Vb
3	maker-ptg0000271-snap-gene-33.3-mRNA-1	<i>ZFYVE28</i>	✓	✓	✓	zinc finger FYVE-type containing 28
3	maker-ptg0000511-snap-gene-70.13-mRNA-1	<i>WDRH1</i>	✓	✓	✓	WD repeat and HMG-box DNA binding protein 1
2	maker-ptg0014061-augustus-gene-3.66-mRNA-1	<i>VITIA</i>	✓	✓	✓	vesicle transport through interaction with t-SNAREs 1A
3	maker-ptg0006081-snap-gene-6.25-mRNA-1	<i>VKORC1</i>	✓	✓	✓	vitamin K epoxide reductase complex subunit 1
3	maker-ptg0000011-augustus-gene-2.53-mRNA-1	<i>USP44</i>	✓	✓	✓	ubiquitin specific peptidase 44
2	maker-ptg0003601-snap-gene-0.29-mRNA-1	<i>TUBB5</i>	✓	✓	✓	tubulin beta chain
2	maker-ptg0009041-augustus-gene-5.247-mRNA-1	<i>TMEM233</i>	✓	✓	✓	transmembrane protein 233
3	maker-ptg0003381-snap-gene-6.187-mRNA-1	<i>TIMELESS</i>	✓	✓	✓	timeless circadian regulator
3	snip_masked-ptg0000401-processed-gene-15.18-mRNA-1	<i>SYEP1</i>	✓	✓	✓	sushi, von Willebrand factor type A, EGF and pentraxin domain containing 1
3	maker-ptg0006881-snap-gene-4.52-mRNA-1	<i>SNAB3</i>	✓	✓	✓	snail family transcriptional repressor 3
3	maker-ptg0003471-snap-gene-12.33-mRNA-1	<i>SH3BP5</i>	✓	✓	✓	SH3 domain binding protein 5
3	maker-ptg0026491-augustus-gene-0.4-mRNA-1	<i>SETD5</i>	✓	✓	✓	SET domain containing 5
6	maker-ptg0011581-snap-gene-6.104-mRNA-1	<i>SORBS9U1</i>	✓	✓	✓	short chain dehydrogenase/reductase family 39U member 1
3	maker-ptg0000571-snap-gene-47.101-mRNA-1	<i>RNF11</i>	✓	✓	✓	ring finger protein 11
6	maker-ptg0002401-augustus-gene-2.23-mRNA-1	<i>RND3A</i>	✓	✓	✓	rho-related GTP-binding protein RhoE
3	maker-ptg0003141-snap-gene-8.31-mRNA-1	<i>PTPRD</i>	✓	✓	✓	receptor-type tyrosine-protein phosphatase delta
3	maker-ptg0012201-snap-gene-3.79-mRNA-1	<i>PDE6A</i>	✓	✓	✓	phosphodiesterase 6A
3	maker-ptg0016231-augustus-gene-5.37-mRNA-1	<i>OLFCL1</i>	✓	✓	✓	extracellular calcium-sensing receptor
3	maker-ptg0003381-augustus-gene-6.58-mRNA-1	<i>NRA1</i>	✓	✓	✓	nuclear receptor subfamily 4 group A member 1
3	snip_masked-ptg0000281-processed-gene-96.4-mRNA-1	<i>NOG2</i>	✓	✓	✓	noggin-2
3	maker-ptg0003351-snap-gene-39.26-mRNA-1	<i>NKX2-2A</i>	✓	✓	✓	homeobox protein Nkx-2.2a
3	maker-ptg0002351-snap-gene-8.11-mRNA-1	<i>NALCN</i>	✓	✓	✓	sodium leak channel, non-selective
3	snip_masked-ptg0008691-processed-gene-8.10-mRNA-1	<i>MYOCD</i>	✓	✓	✓	myocardin
2	maker-ptg0001841-snap-gene-6.2-mRNA-1	<i>MXRA5</i>	✓	✓	✓	matrix-remodeling-associated protein 5
2	maker-ptg0023101-snap-gene-0.35-mRNA-1	<i>MICAL2B</i>	✓	✓	✓	protein-methionine sulfoxide oxidase mical2b
2	maker-ptg0001381-augustus-gene-3.94-mRNA-1	<i>MGP</i>	✓	✓	✓	matrix Gla protein
3	maker-ptg0005921-snap-gene-1.62-mRNA-1	<i>METTL24</i>	✓	✓	✓	methyltransferase like 24
3	maker-ptg0007991-snap-gene-14.13-mRNA-1	<i>MEF2D</i>	✓	✓	✓	myocyte enhancer factor 2D
3	maker-ptg0017541-snap-gene-0.9-mRNA-1	<i>MACF1</i>	✓	✓	✓	microtubule-actin cross-linking factor 1
2	maker-ptg0013991-snap-gene-9.80-mRNA-1	<i>LPL</i>	✓	✓	✓	lipoprotein lipase
6	maker-ptg0003351-augustus-gene-16.38-mRNA-1	<i>LAPTM4A</i>	✓	✓	✓	lysosomal-associated transmembrane protein 4A
3	maker-ptg0014581-est_gff_est2genome-gene-14.5-mRNA-1	<i>KIAA1257</i>	✓	✓	✓	KIAA1257 ortholog
6	snip_masked-ptg0012261-processed-gene-1.9-mRNA-1	<i>HSP70</i>	✓	✓	✓	heat shock 70 kDa protein
3	maker-ptg0019381-augustus-gene-0.25-mRNA-1	<i>HPGD</i>	✓	✓	✓	15-hydroxyprostaglandin dehydrogenase [NAD]
2	maker-ptg0022971-snap-gene-0.45-mRNA-1	<i>GSN</i>	✓	✓	✓	ghrelin
3	maker-ptg0016011-snap-gene-2.66-mRNA-1	<i>GRAMD2A</i>	✓	✓	✓	GRAM domain containing 2A
3	maker-ptg0026321-snap-gene-3.102-mRNA-1	<i>FRMPD1</i>	✓	✓	✓	FERM and PDZ domain-containing protein 1
3	maker-ptg0001871-augustus-gene-12.53-mRNA-1	<i>FKBP5</i>	✓	✓	✓	FK506 binding protein 27
3	maker-ptg0022651-snap-gene-1.34-mRNA-1	<i>EML6</i>	✓	✓	✓	Syngnathus acus genome assembly, chromosome: 1
3	maker-ptg0000511-augustus-gene-36.18-mRNA-1	<i>EGLN3</i>	✓	✓	✓	egl-9 family hypoxia inducible factor 3
6	maker-ptg0014271-augustus-gene-28.3-mRNA-1	<i>DOK2</i>	✓	✓	✓	docking protein 2
2	snip_masked-ptg0003671-processed-gene-5.230-mRNA-1	<i>DOCK9</i>	✓	✓	✓	dedicator of cytokinesis 9
2	maker-ptg0004241-snap-gene-7.8-mRNA-1	<i>DDX27</i>	✓	✓	✓	DEAD-box helicase 27
3	maker-ptg0001361-snap-gene-4.37-mRNA-1	<i>COL4A6</i>	✓	✓	✓	collagen alpha-6
3	maker-ptg0003351-snap-gene-47.22-mRNA-1	<i>CNKSRI3</i>	✓	✓	✓	CNKSRI family member 3
6	maker-ptg0001601-snap-gene-11.44-mRNA-1	<i>CJBRD1</i>	✓	✓	✓	acetylcholine receptor subunit delta mRNA, partial cds
3	maker-ptg0013151-snap-gene-0.23-mRNA-1	<i>CADM1</i>	✓	✓	✓	cell adhesion molecule 1
3	maker-ptg0009941-snap-gene-2.19-mRNA-1	<i>CACNA2D1</i>	✓	✓	✓	voltage-dependent calcium channel subunit alpha-2/delta-1
3	snip_masked-ptg0008681-processed-gene-3.177-mRNA-1	<i>CACHD1</i>	✓	✓	✓	cache domain containing 1
3	maker-ptg0016031-snap-gene-0.37-mRNA-1	<i>C2CD2L</i>	✓	✓	✓	phospholipid transfer protein C2CD2L
3	snip_masked-ptg0000681-processed-gene-18.12-mRNA-1	<i>BHLHE40</i>	✓	✓	✓	class E basic helix-loop-helix protein 40
6	maker-ptg0004421-augustus-gene-28.32-mRNA-1	<i>ATP13A2</i>	✓	✓	✓	ATPase 13A2
3	maker-ptg0003071-snap-gene-1.114-mRNA-1	<i>ASPG</i>	✓	✓	✓	asparaginase
2	maker-ptg0007861-snap-gene-1.61-mRNA-1	<i>ARPP21</i>	✓	✓	✓	cAMP regulated phosphoprotein 21
3	maker-ptg0011881-snap-gene-7.46-mRNA-1	<i>ARHGAP27</i>	✓	✓	✓	rho GTPase-activating protein 27
2	maker-ptg0003161-augustus-gene-4.73-mRNA-1	<i>ADSS</i>	✓	✓	✓	adenylosuccinate synthase
3	maker-ptg0008851-snap-gene-8.23-mRNA-1	<i>ABHD6</i>	✓	✓	✓	abhydrolase domain containing 6
6	snip_masked-ptg0006861-processed-gene-5.15-mRNA-1	<i>CHST8</i>	✓	✓	✓	carbohydrate sulfotransferase 8
3	maker-ptg0016191-augustus-gene-1.271-mRNA-1	<i>LCP1</i>	✓	✓	✓	digestive cysteine proteinase 1
2	maker-ptg0003931-snap-gene-11.3-mRNA-1	<i>DBN1</i>	✓	✓	✓	debrin
3	maker-ptg0015311-augustus-gene-0.35-mRNA-1	<i>TRIM39</i>	✓	✓	✓	E3 ubiquitin-protein ligase TRIM39
3	snip_masked-ptg0006941-processed-gene-0.1-mRNA-1	<i>POU4F3</i>	✓	✓	✓	POU domain, class 3, transcription factor 4
3	maker-ptg0005901-est_gff_est2genome-gene-1.0-mRNA-1	<i>PCBD3</i>	✓	✓	✓	piggycat transposable element-derived protein 3
2	maker-ptg0003611-snap-gene-38.44-mRNA-1	<i>EPBA1</i>	✓	✓	✓	protein 4.1
6	maker-ptg0005291-snap-gene-2.33-mRNA-1	<i>MCF2</i>	✓	✓	✓	proto-oncogene DBL
3	maker-ptg0003321-snap-gene-16.114-mRNA-1	<i>RP56KA3</i>	✓	✓	✓	ribosomal protein S6 kinase alpha-3
3	maker-ptg0009041-snap-gene-5.150-mRNA-1	<i>MSH1</i>	✓	✓	✓	RNA-binding protein Musashi homolog 1
2	maker-ptg0004651-snap-gene-5.82-mRNA-1	<i>SLFN13</i>	✓	✓	✓	schlafen family member 13
3	maker-ptg0002531-snap-gene-62.60-mRNA-1	<i>SIGLEC1</i>	✓	✓	✓	sialoadhesin
3	maker-ptg0022391-snap-gene-7.21-mRNA-1	<i>SHK3</i>	✓	✓	✓	SHK family kinase 3
3	maker-ptg0004381-est_gff_est2genome-gene-1.7-mRNA-1	<i>SLAMF9</i>	✓	✓	✓	SLAM family member 9
3	snip_masked-ptg0023301-processed-gene-0.23-mRNA-1	<i>SMAD3</i>	✓	✓	✓	SMAD family member 3
3	maker-ptg0015741-snap-gene-0.12-mRNA-1	<i>SLC8A1</i>	✓	✓	✓	sodium/calcium exchanger 1
3	maker-ptg0000991-augustus-gene-0.0-mRNA-1	<i>TENM2</i>	✓	✓	✓	teneurin-2

Supplementary Table 3. Genes with fixed alleles in hybrids that showed *com* expression proportion change over 0.1 between juveniles and adults. FC indicates Fold change in the pairwise comparison among pure bred species and hybrids, nd indicates fold change $\leq [0.1]$.

ID	Gene	In group 2, 3 or 6?	Blast	<i>com</i> proportion of juvenile					<i>com</i> proportion of adult					Log2FC of pairwise comparison in juvenile		Log2FC of pairwise comparison in adult		average <i>com</i> proportion of juveniles	average <i>com</i> proportion of adults	<i>com</i> proportion change
				J1	J2	J3	J4	J5	A1	A2	A3	A4	A5	<i>com</i> vs hybrid	<i>rhv</i> vs hybrid	<i>com</i> vs hybrid	<i>rhv</i> vs hybrid			
maker-ptg0000511-snap-gene-130.10-mRNA-1	<i>TULP4</i>		tubby-related protein 4	0.64	0.58	0.49	0.63	0.66	0.39	0.59	0.66	0.28	0.52	n.d.	n.d.	n.d.	n.d.	0.60	0.49	-0.11
maker-ptg0000571-augustus-gene-21.17-mRNA-1	<i>KLHL30</i>		kelch like family member 30	0.70	0.65	0.70	0.68	0.35	0.60	0.45	0.50	0.39	0.50	n.d.	n.d.	n.d.	n.d.	0.61	0.49	-0.13
maker-ptg0000571-snap-gene-35.19-mRNA-1	<i>NCL</i>		nucleolin	0.44	0.55	0.45	0.46	0.48	0.44	0.18	0.55	0.49	0.20	n.d.	n.d.	n.d.	n.d.	0.48	0.37	-0.11
maker-ptg0000591-snap-gene-7.59-mRNA-1	<i>TMOD4</i>		tropomodulin 4	0.57	0.55	0.60	0.56	0.60	0.40	0.50	0.52	0.53	0.46	n.d.	n.d.	n.d.	n.d.	0.58	0.48	-0.10
maker-ptg0000851-snap-gene-5.130-mRNA-1	<i>DUSP7</i>		dual specificity phosphatase 7	0.35	0.38	0.29	0.17	0.36	0.40	0.34	0.33	0.59	0.54	n.d.	n.d.	n.d.	n.d.	0.31	0.44	0.13
maker-ptg0001131-augustus-gene-2.31-mRNA-1	<i>OGT</i>		O-linked N-acetylglucosamine (GlcNAc) transferase	0.49	0.44	0.60	0.69	0.59	0.47	0.36	0.46	0.48	0.45	n.d.	n.d.	n.d.	n.d.	0.56	0.44	-0.12
maker-ptg0001201-snap-gene-2.54-mRNA-1	<i>SYNGR3</i>		synaptogyrin-3	0.82	0.77	0.82	0.88	0.95	0.61	0.63	0.55	0.61	0.62	-3.41	1.45	-1.27	n.d.	0.85	0.60	-0.25
maker-ptg0001351-snap-gene-36.1-mRNA-1	<i>FGD5</i>		FYVE, RhoGEF and PH domain containing 5	0.59	0.59	0.51	0.58	0.66	0.36	0.55	0.62	0.38	0.55	n.d.	n.d.	n.d.	n.d.	0.59	0.49	-0.10
maker-ptg0001731-snap-gene-11.29-mRNA-1	<i>PKD1</i>		polycystin 1, transient receptor potential channel interacting	0.38	0.41	0.42	0.40	0.59	0.65	0.51	0.58	0.56	0.46	n.d.	n.d.	n.d.	n.d.	0.44	0.55	0.11
maker-ptg0001731-snap-gene-4.15-mRNA-1	<i>DNM2</i>		dynamain-2	0.38	0.40	0.23	0.48	0.41	0.70	0.42	0.34	0.38	0.56	n.d.	n.d.	n.d.	n.d.	0.38	0.48	0.10
maker-ptg0002651-est_gff_est2genome-gene-6.33-mRNA-1	<i>KCNJ2</i>	2	inward rectifier potassium channel 2	0.31	0.23	0.35	0.20	0.40	0.27	0.22	0.20	0.14	0.17	n.d.	2.40	-2.24	1.80	0.30	0.20	-0.10
maker-ptg0003121-snap-gene-7.122-mRNA-1	<i>PLEKHA8</i>		pleckstrin homology domain containing A8	0.27	0.34	0.36	0.46	0.58	0.40	0.61	0.49	0.58	0.61	n.d.	n.d.	n.d.	n.d.	0.40	0.54	0.14
maker-ptg0003321-augustus-gene-12.62-mRNA-1	<i>NLRP12</i>		NACHT, LRR and PYD domains-containing protein 12	0.67	0.77	0.64	0.56	0.53	0.42	0.55	0.37	0.29	0.54	n.d.	n.d.	n.d.	n.d.	0.63	0.43	-0.20
maker-ptg0003351-snap-gene-4.111-mRNA-1	<i>KIF13B</i>		kinesin family member 13B	0.76	0.62	0.70	0.59	0.57	0.68	0.82	0.76	0.73	0.79	n.d.	n.d.	n.d.	n.d.	0.65	0.76	0.11
maker-ptg0003991-augustus-gene-13.63-mRNA-1	<i>HIP1</i>	3	huntingtin-interacting protein 1-related protein	0.65	0.54	0.70	0.67	0.67	0.47	0.52	0.50	0.45	0.61	n.d.	n.d.	n.d.	n.d.	0.64	0.51	-0.13
maker-ptg0004251-snap-gene-5.182-mRNA-1	<i>B4GALNT1</i>		beta-1,4-N-acetyl-galactosaminyltransferase 1	0.51	0.54	0.52	0.61	0.60	0.42	0.37	0.42	0.53	0.51	n.d.	n.d.	n.d.	n.d.	0.56	0.45	-0.11
maker-ptg0004391-augustus-gene-0.53-mRNA-1	<i>CD34</i>		hematopoietic progenitor cell antigen CD34	0.72	0.75	0.86	0.81	0.57	0.37	0.47	0.82	0.62	0.62	-1.25	2.50	-2.16	n.d.	0.74	0.58	-0.16
maker-ptg0004571-augustus-gene-26.21-mRNA-1	<i>STK10</i>		serine/threonine-protein kinase 10	0.53	0.64	0.59	0.58	0.53	0.59	0.62	0.43	0.30	0.33	n.d.	n.d.	n.d.	n.d.	0.57	0.45	-0.12
maker-ptg0004571-augustus-gene-7.28-mRNA-1	<i>HIF1AN</i>		hypoxia inducible factor 1 alpha subunit inhibitor	0.36	0.32	0.56	0.56	0.58	0.64	0.46	0.41	0.74	0.68	n.d.	n.d.	n.d.	n.d.	0.47	0.59	0.11
maker-ptg0004651-augustus-gene-17.6-mRNA-1	<i>PACSIN3</i>		protein kinase C and casein kinase substrate in neurons 3	0.64	0.56	0.38	0.37	0.54	0.28	0.28	0.56	0.50	0.24	n.d.	n.d.	n.d.	n.d.	0.50	0.37	-0.12
maker-ptg0004691-snap-gene-7.90-mRNA-1	<i>PABPC3</i>		immune-associated nucleotide-binding protein 3	0.53	0.62	0.52	0.60	0.49	0.53	0.46	0.41	0.44	0.38	n.d.	n.d.	n.d.	n.d.	0.55	0.45	-0.11
maker-ptg0005441-snap-gene-0.7-mRNA-1	<i>OSBPL1A</i>		oxysterol-binding protein-related protein 1	0.24	0.40	0.58	0.39	0.20	0.18	0.19	0.42	0.20	0.23	1.41	n.d.	n.d.	-2.78	0.36	0.25	-0.12
maker-ptg0005681-snap-gene-0.7-mRNA-1	<i>CHMP1B</i>		PREDICTED: Megalops cyprinoides charged multivesicular body protein 1b	0.45	0.35	0.42	0.43	0.49	0.63	0.69	0.42	0.64	0.44	n.d.	n.d.	n.d.	n.d.	0.43	0.56	0.14
maker-ptg0005981-snap-gene-3.38-mRNA-1	<i>ANKRD11</i>		ankyrin repeat domain 11	0.42	0.45	0.39	0.38	0.46	0.54	0.52	0.46	0.72	0.47	n.d.	n.d.	n.d.	n.d.	0.42	0.54	0.12
maker-ptg0006001-snap-gene-6.29-mRNA-1	<i>RNF25</i>		ring finger protein 25	0.76	0.50	0.34	0.63	0.66	0.60	0.42	0.54	0.28	0.35	n.d.	n.d.	n.d.	n.d.	0.58	0.44	-0.14
maker-ptg0007021-augustus-gene-2.13-mRNA-1	<i>CCDC43</i>		coiled-coil domain containing 43	0.60	0.43	0.53	0.57	0.50	0.44	0.30	0.55	0.31	0.41	n.d.	n.d.	n.d.	-1.30	0.53	0.40	-0.12
maker-ptg0007711-snap-gene-5.64-mRNA-1	<i>RANBP2</i>		E3 SUMO-protein ligase RanBP2	0.60	0.41	0.69	0.60	0.63	0.39	0.59	0.29	0.35	0.60	n.d.	n.d.	n.d.	n.d.	0.59	0.44	-0.14
maker-ptg0008691-snap-gene-17.3-mRNA-1	<i>SPAG9</i>		sperm associated antigen 9	0.36	0.40	0.45	0.48	0.43	0.47	0.43	0.64	0.51	0.57	n.d.	n.d.	n.d.	n.d.	0.42	0.53	0.11
maker-ptg0008811-augustus-gene-0.121-mRNA-1	<i>FILIP1</i>		filamin-A-interacting protein 1	0.54	0.55	0.39	0.58	0.55	0.39	0.39	0.39	0.40	0.55	n.d.	n.d.	n.d.	n.d.	0.52	0.42	-0.10
maker-ptg0009081-augustus-gene-0.6-mRNA-1	<i>SIGMAR1</i>		sigma non-opioid intracellular receptor 1	0.59	0.67	0.34	0.61	0.33	0.70	0.59	0.62	0.56	0.61	n.d.	n.d.	n.d.	n.d.	0.51	0.58	0.11
maker-ptg0011561-snap-gene-19.88-mRNA-1	<i>RANBP9</i>		RAN binding protein 9	0.62	0.52	0.49	0.53	0.45	0.46	0.52	0.33	0.37	0.28	n.d.	n.d.	n.d.	n.d.	0.52	0.39	-0.13
maker-ptg0011881-snap-gene-6.0-mRNA-1	<i>SCN4AA</i>		sodium channel protein type 4 subunit alpha A	0.48	0.54	0.60	0.56	0.59	0.68	0.68	0.61	0.64	0.71	n.d.	-1.51	1.38	n.d.	0.55	0.67	0.11
maker-ptg0012481-augustus-gene-3.147-mRNA-1	<i>SCARF1</i>		scavenger receptor class F member 1	0.75	0.48	0.68	0.61	0.72	0.57	0.48	0.71	0.56	0.44	n.d.	-1.20	n.d.	n.d.	0.65	0.55	-0.10
maker-ptg0013091-est_gff_est2genome-gene-5.122-mRNA-1	<i>CUNH10ORF71</i>		chromosome unknown C10orf71 homolog	0.49	0.59	0.56	0.43	0.45	0.43	0.51	0.26	0.43	0.35	n.d.	-1.88	n.d.	n.d.	0.52	0.39	-0.11
maker-ptg0018941-augustus-gene-1.273-mRNA-1	<i>HEPH1</i>		pannexin 1	0.35	0.66	0.45	0.43	0.55	0.61	0.71	0.67	0.53	0.47	n.d.	1.26	n.d.	n.d.	0.49	0.60	0.11
maker-ptg0019541-snap-gene-1.51-mRNA-1	<i>TTC1</i>		tetratricopeptide repeat domain 1	0.40	0.49	0.51	0.34	0.38	0.53	0.67	0.72	0.68	0.44	n.d.	n.d.	n.d.	n.d.	0.42	0.61	0.18
maker-ptg0021261-augustus-gene-12.96-mRNA-1	<i>SRP68</i>		signal recognition particle 68	0.56	0.58	0.41	0.50	0.66	0.67	0.74	0.68	0.44	0.76	n.d.	n.d.	n.d.	n.d.	0.54	0.66	0.12
snap_masked-ptg0002071-processed-gene-2.200-mRNA-1	<i>CYFIP1</i>		cytoplasmic FMR1 interacting protein 1	0.55	0.36	0.40	0.39	0.48	0.64	0.47	0.64	0.46	0.50	n.d.	n.d.	n.d.	n.d.	0.44	0.54	0.11
snap_masked-ptg0022341-processed-gene-0.17-mRNA-1	<i>PPP1R3A</i>	3	protein phosphatase 1 regulatory subunit 3A	0.48	0.54	0.54	0.59	0.57	0.36	0.54	0.43	0.33	0.39	n.d.	n.d.	n.d.	-1.51	0.54	0.41	-0.13